Sound Data

Note(s)
SOUND DATA REPRESENTATIVE OF NOISE PRODUCED BY THE "ENGINE ONLY"

EXHAUST:SOUND POWER(1/3 Octave Frequencies)

GENSET POWER WITHOUT FAN	PERCENT LOAD	ENGINE POWER	OVERALL SOUND	100 HZ	125 HZ	160 HZ	200 HZ	250 HZ	315 HZ	400 HZ	500 HZ	630 HZ	800 HZ
EKW	%	BKW	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
3,200.0	100	3,368	128.5	94.9	113.2	107.8	109.1	111.9	112.0	113.0	116.2	115.4	113.3
2,880.0	90	3,032	127.9	94.0	113.5	106.9	108.1	111.5	110.9	111.9	115.3	113.8	112.1
2,560.0	80	2,695	126.3	94.2	112.0	106.2	107.7	111.1	110.0	111.0	114.6	112.4	111.0
2,400.0	75	2,526	125.5	93.7	110.5	105.9	107.6	110.3	109.2	110.9	113.9	111.7	110.4
2,240.0	70	2,358	124.7	92.3	108.9	105.1	107.0	108.2	108.0	109.8	113.3	111.1	110.2
1,920.0	60	2,021	123.5	91.9	108.6	104.8	105.7	106.2	107.2	109.4	112.9	110.3	109.6
1,600.0	50	1,684	122.4	90.1	108.7	105.5	104.8	106.9	108.1	109.7	111.4	109.8	109.2
1,280.0	40	1,347	120.7	90.6	103.9	105.8	103.9	105.0	107.9	108.8	110.2	108.4	107.5
960.0	30	1,011	119.2	92.2	102.4	104.9	102.0	104.6	107.8	105.8	108.3	107.3	106.4
800.0	25	842	118.5	93.1	104.2	103.6	101.2	103.7	107.7	105.2	107.5	106.8	106.1
640.0	20	674	118.1	88.8	110.0	100.4	103.6	102.8	104.8	105.1	107.4	106.2	106.0
320.0	10	337	116.1	83.4	101.6	99.1	100.0	99.5	100.6	101.9	105.8	105.3	105.1

EXHAUST:SOUND POWER(1/3 Octave Frequencies)

GENSET POWER WITHOUT FAN	PERCENT LOAD	ENGINE POWER	1000 HZ	1250 HZ	1600 HZ	2000 HZ	2500 HZ	3150 HZ	4000 HZ	5000 HZ	6300 HZ	8000 HZ	10000 HZ
EKW	%	BKW	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
3,200.0	100	3,368	118.7	120.7	120.0	119.9	118.3	115.1	111.1	108.0	105.4	103.4	111.8
2,880.0	90	3,032	117.5	118.9	119.1	119.0	117.0	114.0	109.9	106.9	104.4	102.8	118.4
2,560.0	80	2,695	115.9	117.4	117.7	117.9	116.0	112.9	108.9	105.8	103.5	101.7	111.9
2,400.0	75	2,526	115.1	116.7	116.8	117.3	115.7	112.5	108.5	105.2	103.2	101.5	107.9
2,240.0	70	2,358	114.1	115.9	116.1	116.6	115.2	112.1	108.1	104.7	102.9	102.0	103.7
1,920.0	60	2,021	112.5	114.5	114.5	114.9	114.1	111.0	107.0	103.6	102.5	102.9	96.4
1,600.0	50	1,684	111.1	113.2	112.7	112.9	112.7	109.5	105.7	102.5	102.2	101.5	94.4
1,280.0	40	1,347	109.6	111.1	110.6	110.9	110.9	107.6	104.1	101.2	102.6	97.7	93.0
960.0	30	1,011	108.0	109.7	108.6	109.1	108.8	105.8	102.3	100.4	100.0	95.6	91.5
800.0	25	842	107.2	109.0	107.5	108.2	107.8	104.9	101.5	100.3	98.3	95.1	91.0
640.0	20	674	106.5	108.1	106.4	107.5	107.1	104.2	100.8	100.2	96.7	94.8	90.7
320.0	10	337	105.8	107.0	105.5	105.7	105.5	102.0	101.8	96.4	95.8	94.2	89.5

MECHANICAL:SOUND POWER(1/3 Octave Frequencies)

GENSET POWER WITHOUT FAN	PERCENT LOAD	ENGINE POWER	OVERALL SOUND	100 HZ	125 HZ	160 HZ	200 HZ	250 HZ	315 HZ	400 HZ	500 HZ	630 HZ	800 HZ
EKW	%	BKW	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
3,200.0	100	3,368	126.2	90.3	99.0	97.9	103.3	102.1	110.4	110.0	111.6	112.1	113.7
2,880.0	90	3,032	126.3	90.0	99.1	97.8	102.9	102.1	109.9	109.6	111.2	111.9	113.4
2,560.0	80	2,695	125.3	89.6	97.9	97.5	102.1	102.1	109.2	109.2	110.9	111.8	112.9
2,400.0	75	2,526	124.8	89.5	97.4	97.4	101.8	102.4	109.1	109.4	110.9	111.9	112.8
2,240.0	70	2,358	124.4	89.4	96.5	97.3	101.5	102.5	108.6	109.8	110.8	111.9	112.6
1,920.0	60	2,021	123.9	89.0	96.4	97.5	101.4	102.7	107.7	110.0	110.5	111.8	112.2
1,600.0	50	1,684	123.2	88.0	96.6	97.8	100.7	102.3	107.3	109.4	110.2	111.6	111.9
1,280.0	40	1,347	122.3	87.1	97.0	99.1	100.0	102.5	106.6	108.9	110.0	111.0	110.6
960.0	30	1,011	121.8	86.1	96.1	99.4	99.1	102.9	106.3	108.8	110.4	111.4	109.9
800.0	25	842	121.7	85.6	94.9	98.8	98.4	103.2	106.5	108.9	110.9	112.1	110.0
640.0	20	674	121.9	85.0	94.0	97.9	97.4	103.0	106.6	109.3	111.7	113.0	111.0
320.0	10	337	121.9	84.9	94.3	98.5	94.4	102.3	105.9	109.0	111.4	113.4	111.5

MECHANICAL:SOUND POWER(1/3 Octave Frequencies)

GENSET POWER WITHOUT FAN	PERCENT LOAD	ENGINE POWER	1000 HZ	1250 HZ	1600 HZ	2000 HZ	2500 HZ	3150 HZ	4000 HZ	5000 HZ	6300 HZ	8000 HZ	10000 HZ
EKW	%	BKW	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
3,200.0	100	3,368	114.8	114.6	114.8	115.5	114.6	113.4	111.5	112.0	113.6	112.6	119.4
2,880.0	90	3,032	114.5	114.3	114.6	115.0	114.0	113.5	111.3	111.7	113.0	112.2	121.2
2,560.0	80	2,695	114.1	114.0	114.3	114.6	113.7	112.4	110.8	110.9	112.3	111.2	118.5
2,400.0	75	2,526	113.9	114.1	114.3	114.5	113.6	112.0	110.5	110.4	112.0	110.7	115.8
2,240.0	70	2,358	113.9	114.2	114.4	114.4	113.5	111.7	110.3	110.1	111.5	110.6	112.8
1,920.0	60	2,021	113.6	114.4	114.2	113.9	113.1	111.2	109.7	109.4	111.1	111.2	107.9
1,600.0	50	1,684	112.7	114.1	113.3	112.9	112.0	110.4	108.9	108.5	110.6	109.8	106.1
1,280.0	40	1,347	112.0	112.5	112.2	111.9	110.8	109.6	108.0	107.5	110.3	106.8	104.5
960.0	30	1,011	111.3	112.6	111.8	111.2	109.9	109.1	107.2	106.8	108.2	104.8	102.3
800.0	25	842	111.3	112.5	111.5	111.1	109.7	108.9	106.8	106.4	106.6	104.3	101.8
640.0	20	674	111.9	112.4	111.3	110.9	109.8	109.0	105.9	105.6	104.9	104.1	101.4
320.0	10	337	112.5	112.7	111.7	110.6	110.2	108.1	106.0	103.3	104.2	103.2	99.9